

# **Finding Computer Security Information on the Internet**

---

**F. Arthur Cochrane**

**arthur.cochrane@srs.gov**

**Wendall Mayson**

**wendall.mayson@srs.gov**

**Westinghouse Savannah River Company**

**(803) 725-3637**

**(803) 208-3438**

**April 30, 1997**

**WSRC-MS-97-0298**

# Outline

---

- **Connecting a computer via a modem to the Internet**
- **Navigate a web site and an FTP site**
- **Internet Search Engines**
- **Anti-virus software and updates**
- **Computer Security news, info, & updates**
- **Sites for Tools and Utilities**
- **Various Security Organizations**
- **List Of Books**
- **Questions & Answers**

# Installing Software for Dial-up Networking

---

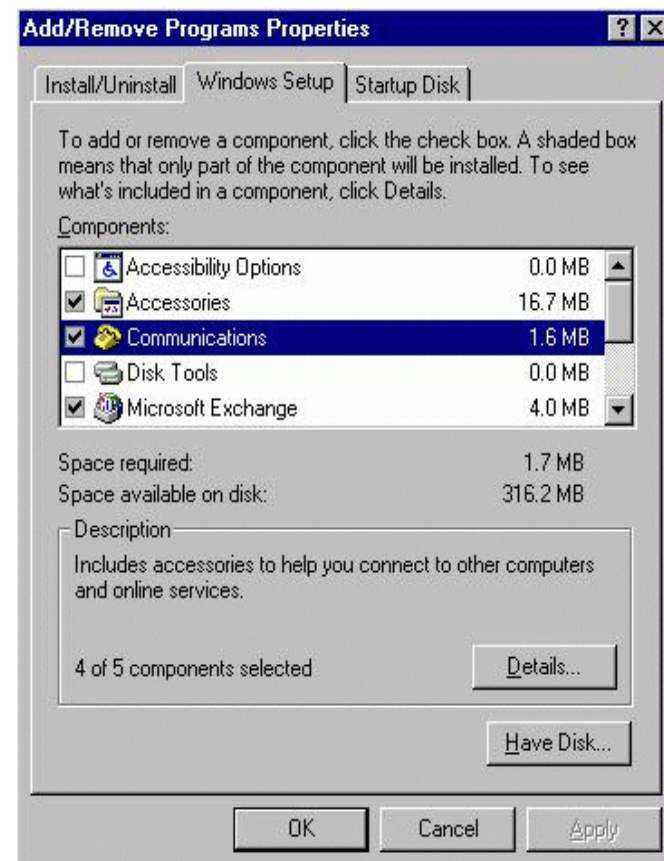
- Start with the Control Panel
- Use the Add/Remove Programs Control Panel
- Use the Network Control Panel



# Adding Dial-up Networking

---

- Use the Windows Setup tab
- Select the Communications components



# Add Dial-Up Networking

---

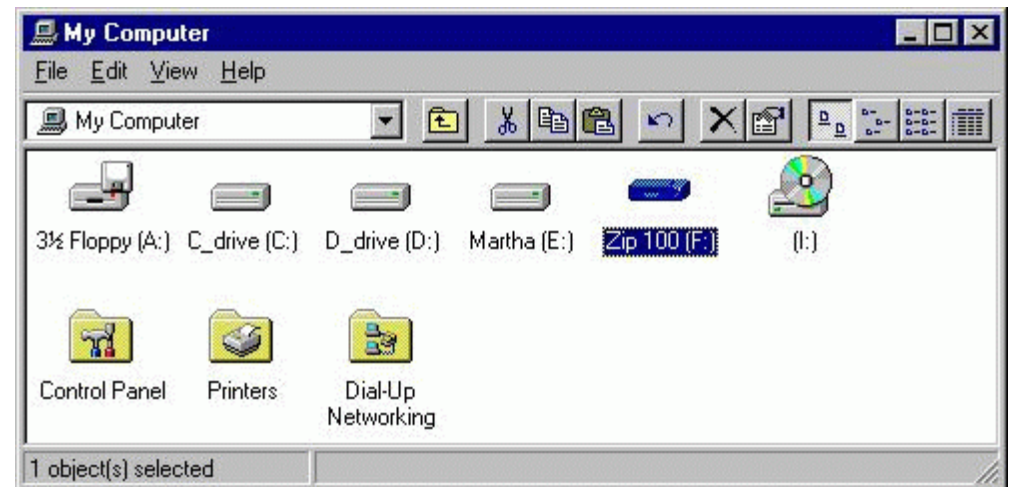
- Place a check mark in the Dial-Up Networking component
- Have Windows 95 install CD or floppies ready



# My Computer After Install

---

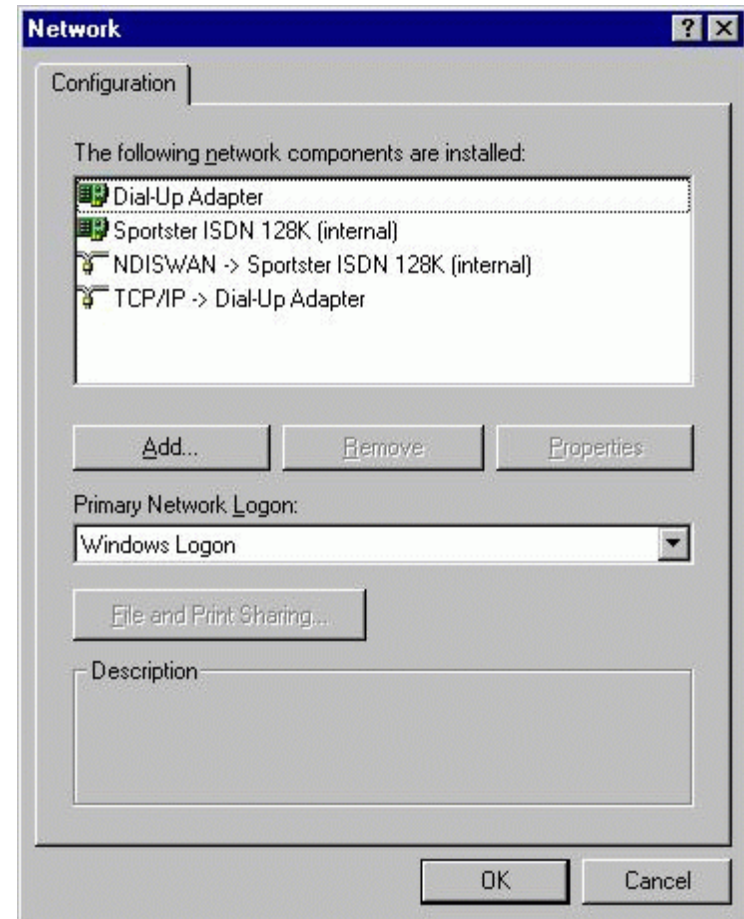
- My Computer windows now shows Dial-Up Networking folder



# Adding TCP/IP Protocol

---

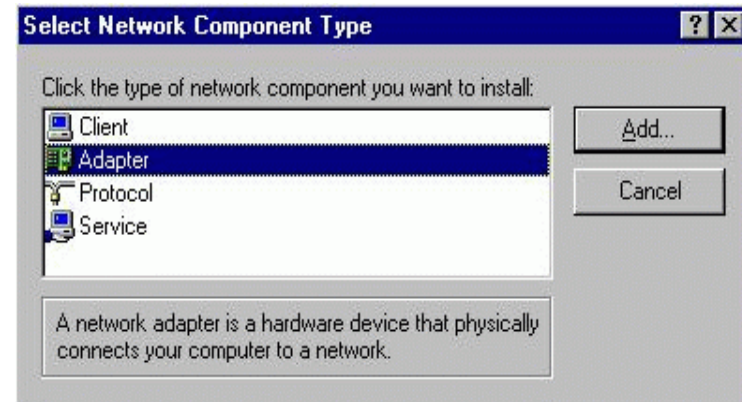
- Select the Network Control Panel
- Need to add the Dial-Up Adapter
- Need to add TCP/IP protocol
- Select the Add option



# Add Dial-Up Adapter

---

- Select Adapter
- Select Add

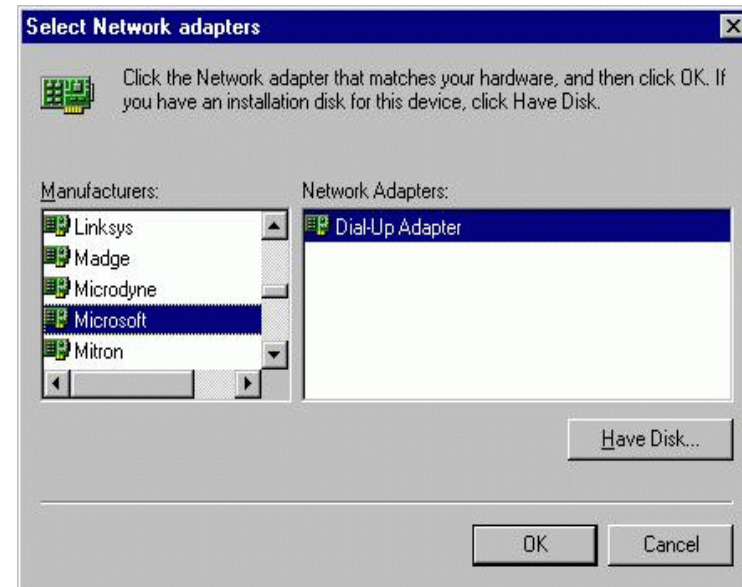




# Addling Dial-Up Adapter

---

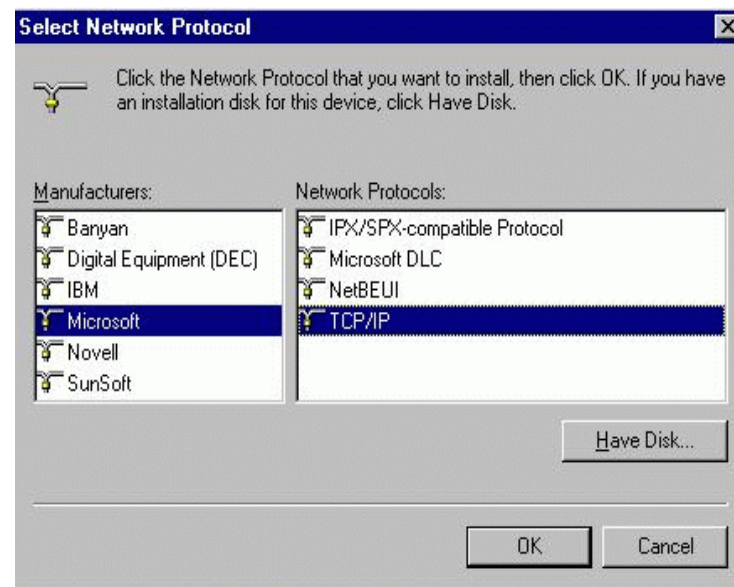
- **Select Microsoft for Manufactures**
- **Select Dial-Up Adapter for Network Adapter**
- **Select OK**



# Add TCP/IP Protocol

---

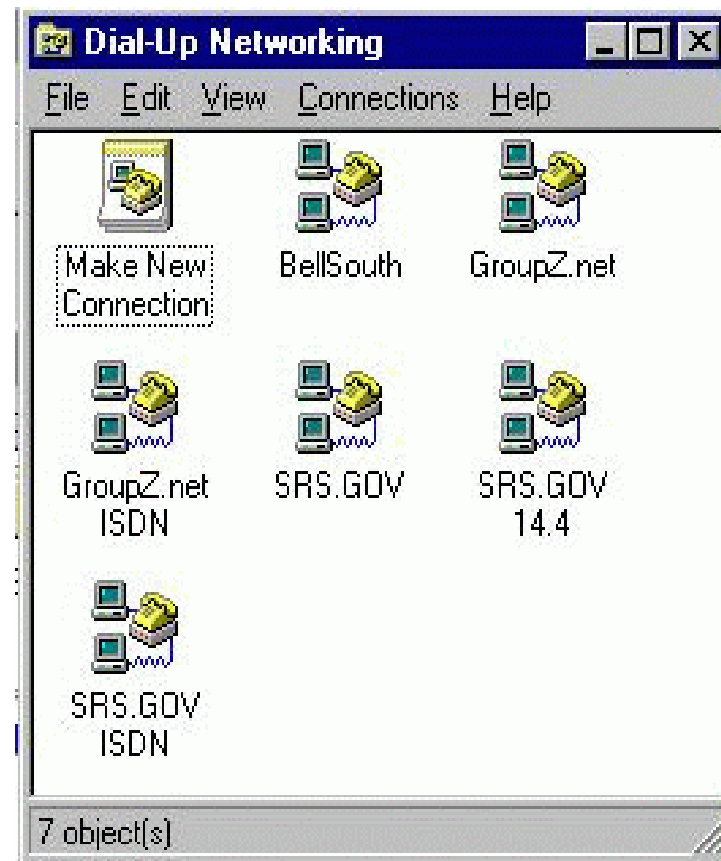
- **Select Add Network Control Panel**
- **Select Protocol this time and select Add**
- **Select Microsoft for Manufactures**
- **Select TCP/IP for Network Protocol**



# Adding a Dial-Up connection

---

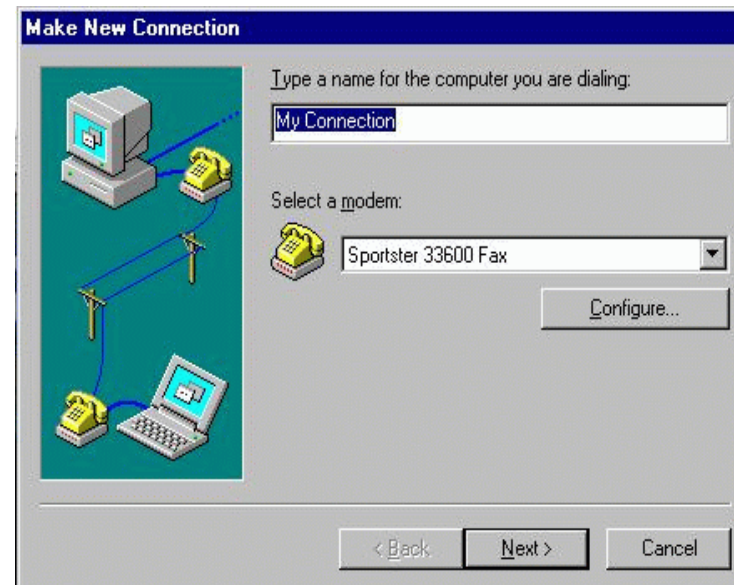
- Open the Dial-Up Networking Folder in My Computer
- First time will only have the Make New Connection icon
- Double-click the Make New Connection icon to start the wizard



# Adding a Dial-Up connection

---

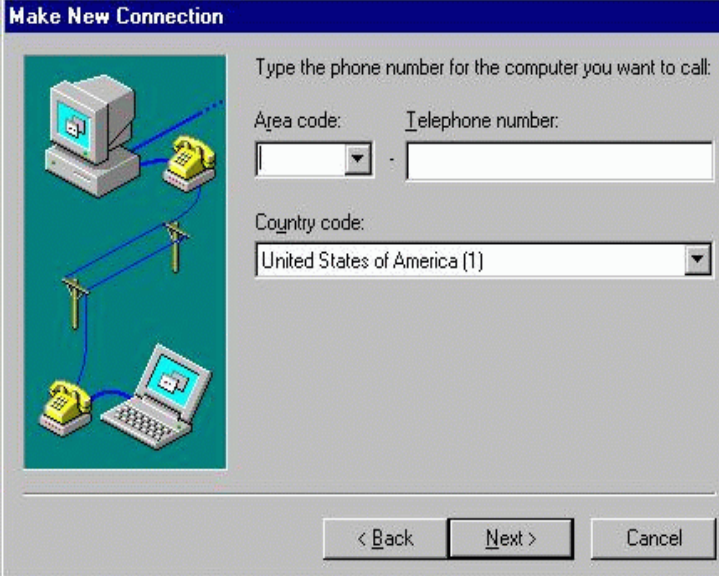
- Give the Connection a useful name
- Select the adapter/modem to use (if more than one)



# Add Connection Phone Info.

---

- Enter the connection phone number information



**Make New Connection**

Type the phone number for the computer you want to call:

Area code:  Telephone number:

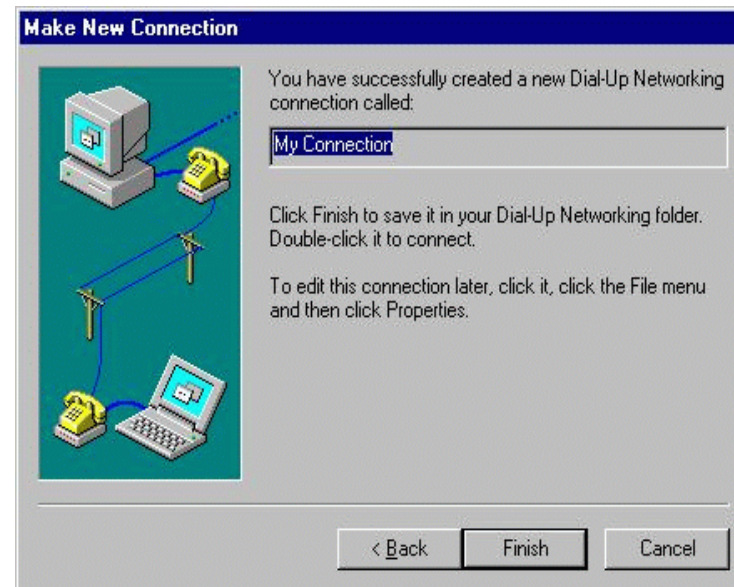
Country code:

< Back Next > Cancel

# Connection Completion

---

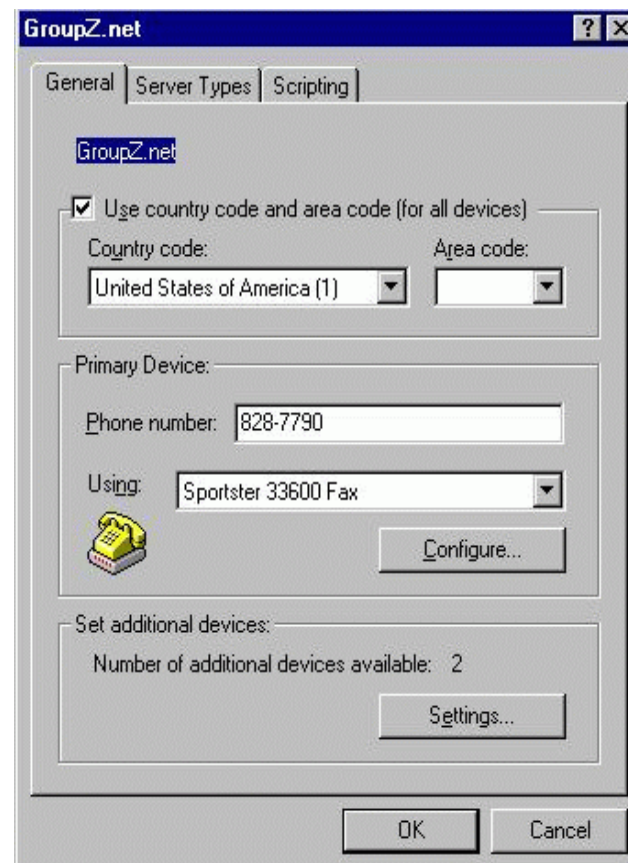
- **Select Finish to complete the add connection wizard**



# Properties of the Connection

---

- Select the connection icon just created
- Then select Properties under the File menu
- Show Connection phone setup

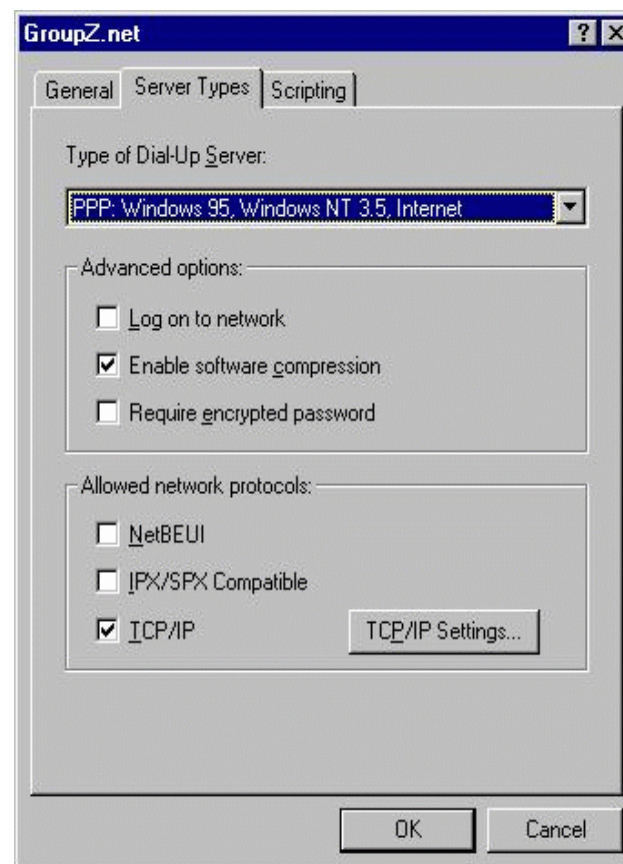




# Connection Server Setup

---

- The Server Types show several options
- Your ISP may offer some setting here
- Note should only need TCP/IP protocol checked
- Select the TCP/IP setting





# Setting TCP/IP Addresses

---

- Your ISP require a fixed address for the computer or DNS servers.
- Most cases server assigned will work

The screenshot shows the 'TCP/IP Settings' dialog box. It has a title bar with a question mark and a close button. The 'Server assigned IP address' radio button is selected. Below it, the 'Specify an IP address' section has an 'IP address:' label and a field with four zeros. The 'Server assigned name server addresses' radio button is selected. Below it, the 'Specify name server addresses' section has four fields: 'Primary DNS:', 'Secondary DNS:', 'Primary WINS:', and 'Secondary WINS:', each with a field containing four zeros. At the bottom, there are two checked checkboxes: 'Use IP header compression' and 'Use default gateway on remote network'. At the very bottom are 'OK' and 'Cancel' buttons.

# Connection Dialog

---

- Fill in user name and password
- Phone number should be from connection wizard fill in
- Click Connect button

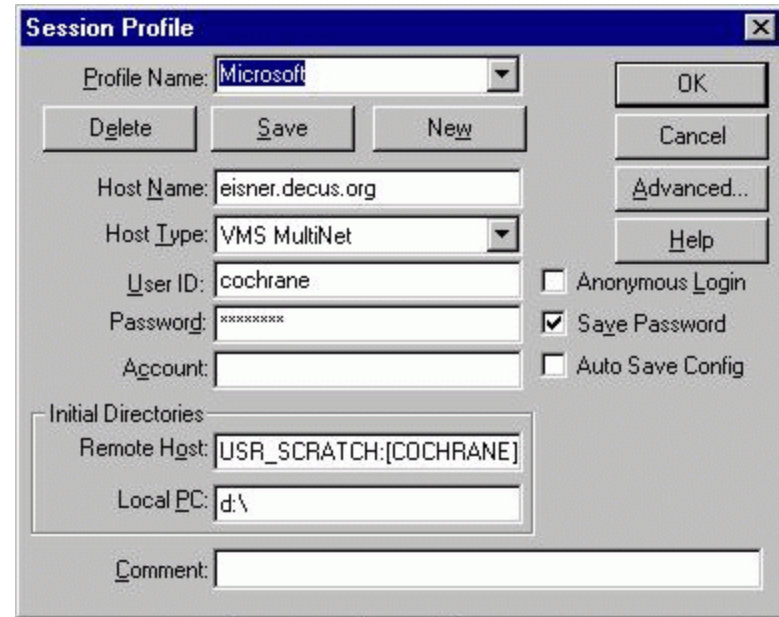


The screenshot shows a Windows-style dialog box titled "Connect To" with a blue header bar containing a help icon, the title, and a close button. The main area has a light gray background. At the top left is a modem icon, and to its right is the text "SRS.GOV". Below this is a horizontal separator line. The first section contains the label "User name:" followed by a text input field, the label "Password:" followed by a text input field, and a checkbox labeled "Save password". A second horizontal separator line follows. The next section contains the label "Phone number:" followed by a text input field. Below that is the label "Dialing from:" followed by a dropdown menu currently showing "Default Location" and a button labeled "Dial Properties...". At the bottom right are two buttons: "Connect" and "Cancel".

# Navigate a web site and an FTP site

---

- This screen is used to input the desired remote site.
- Node name and Username and password are required
- Profiles can be saved for future use
  - » <http://www.ipswitch.com>

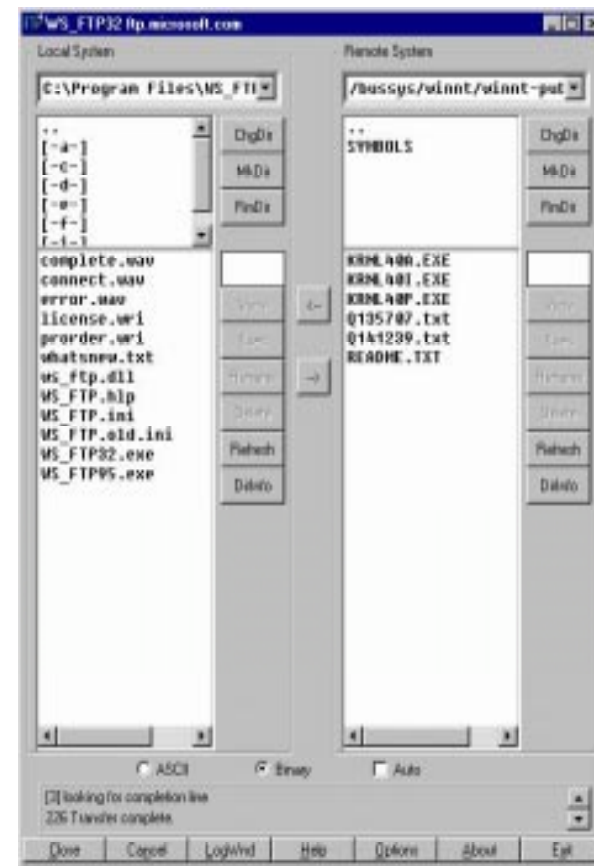


The screenshot shows a 'Session Profile' dialog box with the following fields and controls:

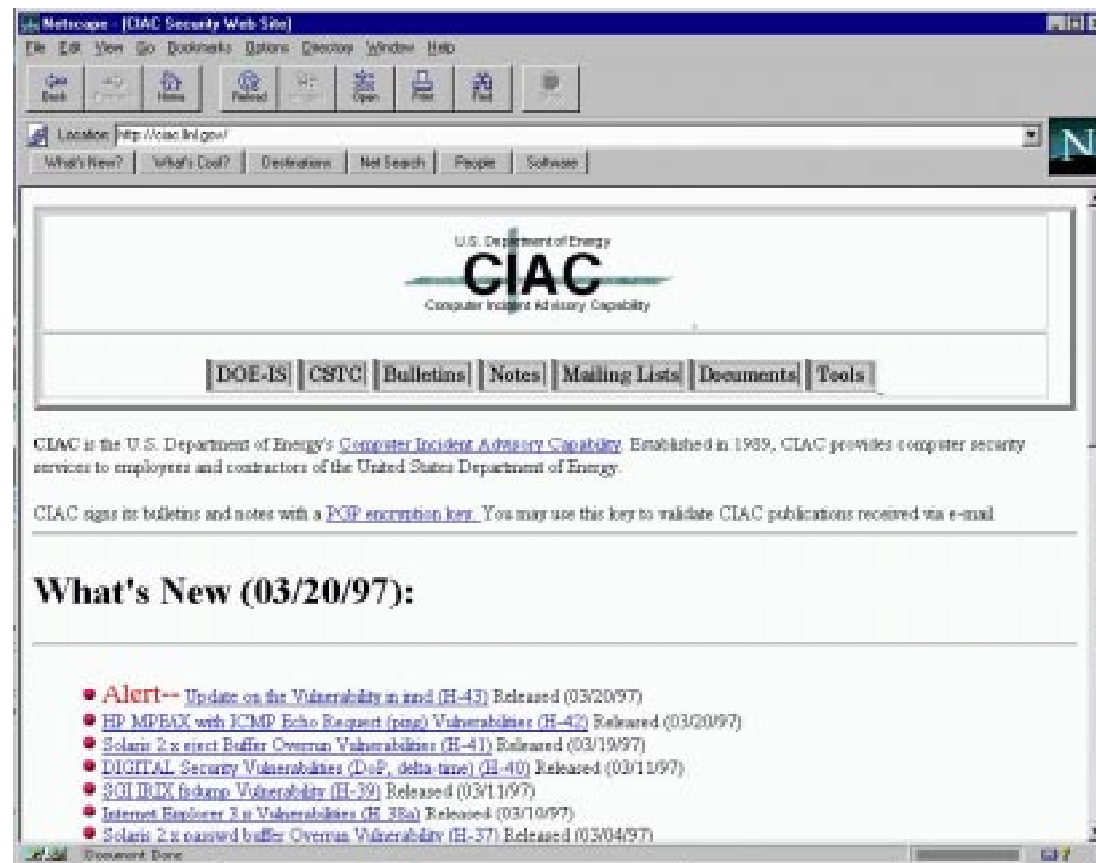
- Profile Name:** A dropdown menu showing 'Microsoft'.
- Buttons:** 'Delete', 'Save', 'New', 'OK', 'Cancel', 'Advanced...', and 'Help'.
- Host Name:** A text field containing 'eisner.decus.org'.
- Host Type:** A dropdown menu showing 'VMS MultiNet'.
- User ID:** A text field containing 'cochrane'.
- Password:** A text field containing 'xxxxxxxx'.
- Account:** An empty text field.
- Initial Directories:** A section containing:
  - Remote Host:** A text field containing 'USR\_SCRATCH:[COCHRANE]'.
  - Local PC:** A text field containing 'd:\'.
- Comment:** An empty text field at the bottom.
- Checkboxes:** 'Anonymous Login' (unchecked), 'Save Password' (checked), and 'Auto Save Config' (unchecked).

# Navigate a web site and an FTP site

- This is the two pane control for file transfer to and from the remote node.
- Point to the desired file and click the arrow to start the file transfer.

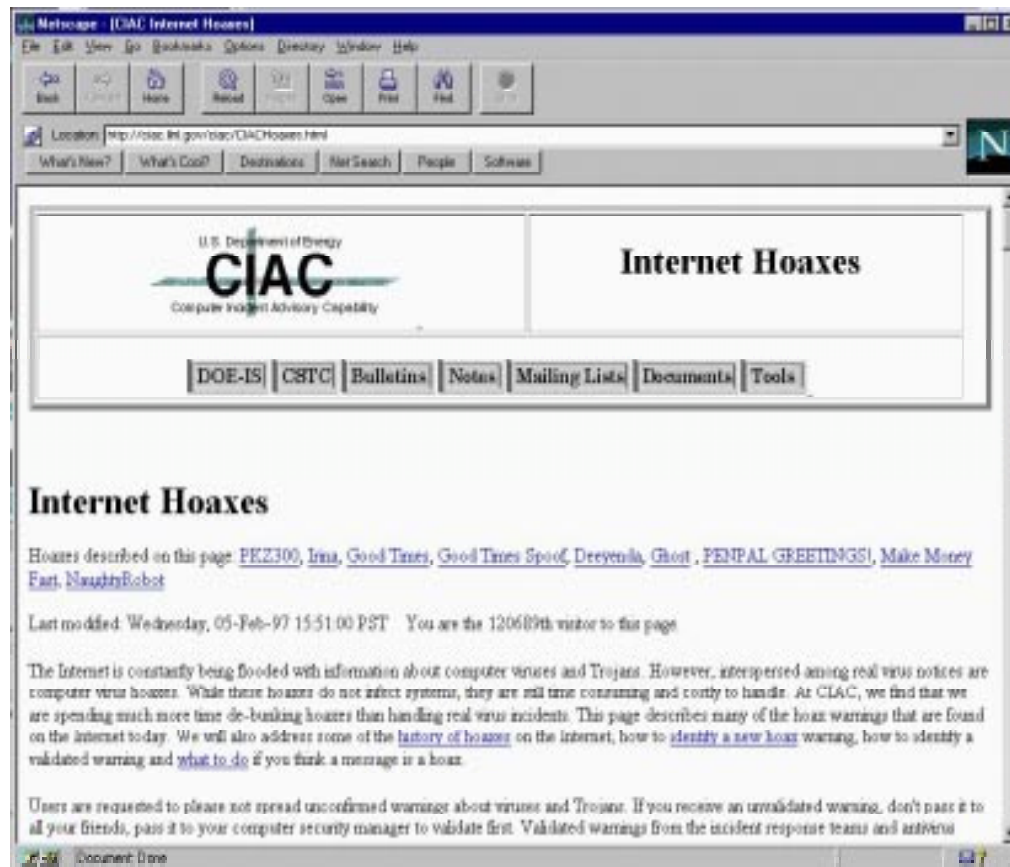


# Navigate a web site and an FTP site



# Navigate a web site and an FTP site

---



# Search Engines

---

- Yahoo
  - » <http://www.yahoo.com>
- Altavista
  - » <http://www.altavista.digital.com>
- Lycos
  - » <http://lycos.cs.cmu.edu/>
- Excite
  - » <http://www.excite.com>
- Webcrawler
  - » <http://webcrawler.com/>
- Cnet's Search.com
  - » <http://www.search.com>

# Anti-Virus Sites

---

- **Symantec - Norton Anti-Virus**

- » <http://www.symantec.com>

- **Mcafee Anti-Virus**

- » <http://www.mcafee.com/>



# **Computer Security News, Info, & Updates - Television**

---

- **Cnet**
  - » **On SciFi and USA network**
  - » **<http://www.cnet.com>**
  - » **<http://www.news.com>**
- **Information on Net Crimes**
  - » **<http://www.cnet.com/Content/Features/Dlife/Crime/index.html>**
- **MSNBC**
- **PBS - Computer Chronicles**

# Computer Security News, Info, & Updates

---

- **Global Internet Global Resources**
  - » <http://www.gi.net/security/resources/index.html>
- **What's New in the World of Security**
- **Security Alerts and Advisories**
- **Current Security Conferences**

# Computer Security News, Info, & Updates

---

- **The World Wide Web Security FAQ**
  - » <http://www.genome.wi.mit.edu/WWW/faqs/www-security-faq.html>
- **You can also download this entire document as a ZIP archive:**
  - » <http://www.genome.wi.mit.edu/WWW/faqs/www-security-faq.zip>

# Computer Security News, Info, & Updates

---

- **Security Concerns on the Web**
  - » <http://hoofoo.ncsa.uiuc.edu/security/>
- **Data Security FAQ**
  - » <http://www.qualix.com/sysman/info/securityfaq.html>
- **Book Review of "Firewalls and Internet Security"**
  - » [http://www.anatomy.su.oz.au/danny/book-reviews/h/Firewalls\\_and\\_Internet\\_Security.html](http://www.anatomy.su.oz.au/danny/book-reviews/h/Firewalls_and_Internet_Security.html)

# Computer Security News, Info, & Updates

---

- **The Rotherwick Firewall Resource**
  - » <http://www.zeuros.co.uk/firewall/>
- **Now the Largest Firewall Resource on the Web**

# Computer Security News, Info, & Updates

---

- **Yahoo Hacker's Resource Page**
- **Top:Computers and Internet:Security and Encryption:Hacking:Hacker's Pages**
  - » [http://www.yahoo.com/Computers\\_and\\_Internet/Security\\_and\\_Encryption/Hacking/Hacker\\_s\\_Pages/](http://www.yahoo.com/Computers_and_Internet/Security_and_Encryption/Hacking/Hacker_s_Pages/)

# Computer Security News, Info, & Updates

---

- **It's the Ping o' Death Page!**
- **How to crash your operating system!**
  - » <http://prospect.epresence.com/ping/>

# Computer Security News, Info, & Updates - Internet Newsgroups

---

- **comp.risks**
  - » <http://www.CSL.sri.com/risksinfo.html>
- **comp.security.announce**
- **comp.security.misc**



# Sites for Tools and Utilities - Coast

---

- **Computer Operations, Audit, and Security Technology**
  - » <http://www.cs.purdue.edu/coast/>
- **COAST Hotlist: Computer Security, Law & Privacy**
  - » <http://www.cs.purdue.edu/homes/spaf/hotlists/csec.html>

# Sites for Tools and Utilities

---

- **Security Profile Inspector for Networks (SPI-NET)**
  - » <http://ciac.llnl.gov/cstc/spi/spinet.html>
- **Satin**
  - » <ftp://ftp.win.tru.nl>
- **Internet Security Scanner (ISS)**
  - » <ftp://coast.cs.purdue.edu/pub/tools/unix/iss>
- **Network Intrusion Detector (NID)**
  - » <http://ciac.llnl.gov/cstc/CSTCProductsNIDDes.html>

# Sites for Tools and Utilities - PGP

---

- Where to get the latest PGP (Pretty Good Privacy) FAQ
  - » <http://www.cis.ohio-state.edu/hypertext/faq/usenet/pgp-faq/where-is-PGP/faq.html>
- PGP 2.6.2: Frequently Asked Questions, Known Bugs, and Improvements
  - » <http://www.mit.edu:8001/people/warlord/pgp-faq.html>
- PGP Information Page with links
  - » <http://world.std.com/~franl/pgp/>

# Sites for Tools and Utilities

---

- **Computer Security Resource Clearing House**
  - » <http://csrc.nist.gov>
- **Internet References**
  - » <http://www.hemnet.com/connected/resources.html>
- **Links To Security Web Sites**
  - » <http://fang.cs.sunyit.edu/~uewb/Security/Links.htm>
- **Computer and Network Security Reference Index**
  - » <http://www.telstra.com.au/info/security.html>
- **DOE Information Security -**
  - » <http://doe-is.llnl.gov>

# Sites for Tools and Utilities - WinNT/Win95

---

- **Windows95.com**
  - » <http://www.windows95.com>
- **Microsoft Windows95 Page for Help Files, Service Packs, etc.**
  - » <http://www.microsoft.com/WindowsSupport/default-sl.htm>
- **The Win95 Home Page**
  - » <http://www.winmag.com/win95/default.htm>
- **CMP's NT Solution Center**
  - » <http://techweb.cmp.com/ecg/nt>
- **Win NT Update**
  - » <http://www.zdnet.com/wsources/update/ntupdf.html>

# **Sites for Tools and Utilities - WinNT/Win95 (Cont.)**

---

- **Windows NT Resources**
  - » <http://www.winntmag.com/resources>
- **Windows NT Resources Site**
  - » <http://www.chancellor.com/ntmain.html>
- **Microsoft Windows NT Page for Help Files, Service Packs, etc.**
  - » <http://www.microsoft.com/NTWksSupport/default-sl.htm>
- **Frank's Windows Page**
  - » <http://www.conitech.com/windows/index.html>

# Sites for Tools and Utilities - UNIX

---

- **UNIX Security Resources**

- » [http://hill.ucs.ualberta.ca/Security/tec\\_security.html](http://hill.ucs.ualberta.ca/Security/tec_security.html)

- **UNIX Computer Security Checklist**

- » [http://www.swin.edu.au/csit/comms/unix\\_security\\_checklist\\_1.0.html](http://www.swin.edu.au/csit/comms/unix_security_checklist_1.0.html)

- **System Monitoring Tools**

- » <http://ciac.llnl.gov/ciac/ToolsUnixSysMon.html>

# Sites for Tools and Utilities - Encryption

---

- **Motorola Network Encryption System**
  - » <http://www.mot.com/GSS/SSTG/ged/iso/nas.html>
- **FastLane ATM Encryptor From GTE**
  - » <http://www.gsc.gte.com/GS/Solutions/Detail/fastlane.html>
- **Federal Information**
  - » <http://csrc.nist.gov/encryption>
- **Cryptography: The Study of Encryption**
  - » <http://world.std.com/~franl/crypto/cryptography.html>
- **International Cryptography**
  - » <http://www.cs.hut.fi/crypto>



# Sites for Tools and Utilities - Web

---

- **Security Issues For The World Wide Web**
  - » <http://www.swcp.com/~mccurley/danger/danger.html>
- **World Wide Web Security**
  - » <http://www-ns.rutgers.edu/www-security/index.html>
- **Netscape Data Security**
  - » <http://home.mcom.com/newsref/ref/netscape-security.html>
- **Microsoft Internet Explorer Security**
  - » <http://www.microsoft.com/ie/security/update.htm>

# Sites for Tools and Utilities - DCE

---

- **Distributed Computing Environment(DCE)**
- **The Open Group**
  - » <http://www.osf.org>
- **Security for the Enterprise**
  - » [http://www.rdg.opengroup.org/public/pc\\_week/toc.htm](http://www.rdg.opengroup.org/public/pc_week/toc.htm)
- **Distributed Computing Environment (DCE)**
  - » <http://www.securityserver.com/cgi-local/ssis.pl/category/@dce.htm>

# Sites for Tools and Utilities

---

- **Digital Signatures / Public Key Infrastructure**
  - » **NIST - <http://csrc.nist.gov/pki/welcome.html#mispc>**
- **Digital Signature Initiative**
  - » **<http://www.w3.org/pub/WWW/Security/DSig/Overview.html>**
- **Digital Certificates**
  - » **<http://www.securityserver.com/cgi-local/ssis.pl/category/@certif.htm>**

# Various Security Organizations - CIAC

---

- CIAC - DOE Computer Incident Advisory Capability.
- CIAC provides computer security services to employees and contractors of the United States Department of Energy.
- To Get On their mailing lists
  - » <http://ciac.llnl.gov/ciac/CIACMailingLists.html>
- Web Page is <http://ciac.llnl.gov>
- FTP Server is <ftp://ciac.llnl.gov/pub/ciac/>
- Security Tools at
  - » <http://ciac.llnl.gov/ciac/SecurityTools.html>
- HOAX List is at
  - » <http://ciac.llnl.gov/ciac/CIACHoaxes.html>

# Various Security Organizations - CERT

---

- **Computer Emergency Response Team**
  - » **<http://www.cert.org>**
- **Issues warnings to various mail lists.**
- **Their server has papers about:**
  - » **security concerns,**
  - » **tools to evaluate security, and**
  - » **an archive of alerts about current break-in attempts.**
- **Anonymous FTP server is at <ftp.cert.org>, look in the /pub directory for more information.**
  - » **This contains the CERT Coordination Center FAQ.**
- **To receive advisories as they are issued, send e-mail to [cert@cert.sei.cmu.edu](mailto:cert@cert.sei.cmu.edu).**

# **Various Security Organizations - CERT (cont.)**

---

**CERT Coordination Center  
Software Engineering Institute  
Carnegie Mellon University  
Pittsburgh, PA 15213-3890  
U.S.A.**

- **Internet [cert@cert.org](mailto:cert@cert.org)**
- **Phone +1 412-268-7090 (24-hour hotline)**
- **CERT Coordination Center personnel answer 8:30 a.m.-5:00 p.m. EST(GMT-5)/EDT(GMT-4), on call for emergencies during other hours.**
- **FAX +1 412-268-6989**

# **Various Security Organizations - FIRST**

---

- **Forum of Incident Response and Security Teams**
- **Coalition of Computer Security Incident Response Teams**
- **email is [first-sec@first.org](mailto:first-sec@first.org)**
- **Web Page is <http://www.first.org>**

# Various Security Organizations - ASSIST

---

- DOD incident handling organization,
- E-mail address is: [dod-cert@ddn-conus.ddn.mil](mailto:dod-cert@ddn-conus.ddn.mil),
- BBS at (703)696-8726, DSN 226-8726.



# List Of Books

---

- **Windows NT 3.5 Guidelines for Security, Audit, and Control by Microsoft**
  - » Press, ISBN 1-55615-814-9
  - » (A little dated, but still an excellent book.)
- **Windows NT Security Guide by Stephen A. Sutton**
  - » ISBN 0-201-41969-6
- **Practical DCE Programming by Charles Knouse**
  - » ISBN 0-13-324419-9
- **Network & Internet Security by Vijay Ahuja**
  - » ISBN 0-12-045595-1
- **The Whole Internet User's Guide & Catalog by Ed Krol**
  - » ISBN 1-56592-025-2

# QUESTIONS?

---

## ANSWERS?

## SUGGESTIONS?